

WHAT IS CLAIMED IS:

1. A graphics data generating device for generating graphics data that is related to a graphics processing control parameter designating a graphics processing condition for graphics data, said graphics data generating device
5 comprising:

an imaging device configured to generate said graphics data;

a selection mechanism configured to enable a selection of a generation condition when said imaging device generates said graphics data;

a memory configured to store a plurality of combinations, each
10 combination composed of said generation condition and a plurality of said graphics processing control parameters;

an acquisition mechanism configured to acquire said plurality of graphics processing control parameters for said designated generation condition; and

15 a data output mechanism configured to relate said generated graphics data to said plurality of acquired graphics processing control parameters, and output the generated graphics data.

2. A graphics data generating device according to claim 1, further
20 comprising:

a processor configured to modify a value of any graphics processing control parameter among said plurality of acquired graphics processing control parameters.

25 3. A graphics data generating device according to claim 1, wherein said graphics processing condition is a condition for an output device that will output said graphics data.

30 4. A graphics data generating device according to claim 1, wherein said graphics processing control parameters include at least parameters

relating to color space, gamma correction value, contrast, brightness, color balance, saturation, sharpness, color cast, and noise elimination.

- 5 5. A graphics data generating device according to claim 1, wherein said graphics data generating device is a photographic device; and said generation condition is a picture mode in said photographic device.

- 10 6. A graphics data generating device for generating graphics data that is related to a graphics processing control parameter designating a graphics processing condition for graphics data, said graphics data generating device comprising:

means for generating said graphics data;

means for designating a generation condition when said means for generating generates said graphics data;

- 15 means for storing a plurality of combinations, each combination composed of said generation condition and a plurality of said graphics processing control parameters;

- 20 means for acquiring from said means for storing said plurality of graphics processing control parameters for said designated generation condition; and

means for relating said generated graphics data to said plurality of acquired graphics processing control parameters, and outputting the related graphics data.

- 25 7. A graphics data generating device according to claim 6, further comprising:

means for modifying a value of any graphics processing control parameter among said plurality of acquired graphics processing control parameters.

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8. A graphics data generating device according to claim 6, wherein said graphics processing condition is a condition for an output device that will output said graphics data.

5 9. A graphics data generating device according to claim 6, wherein said graphics processing control parameters include at least parameters relating to color space, gamma correction value, contrast, brightness, color balance, saturation, sharpness, color cast, and noise elimination.

10 10. A graphics data generating device according to claim 6, wherein said graphics data generating device is a photographic device; and said generation condition is a picture mode in said photographic device.

15 11. A method for generating graphics data that is related to a graphics processing control parameter designating a graphics processing condition for graphics data, comprising steps of:

generating said graphics data;

designating a generation condition when said graphics data is generated in said generating step;

20 storing in a memory a plurality of combinations, each combination composed of said generation condition and a plurality of said graphics processing control parameters;

acquiring from said memory said plurality of graphics processing control parameters for said designated generation condition;

25 relating said generated graphics data to said plurality of acquired graphics processing control parameters; and

outputting the related graphics data.

12. A method according to claim 11, further comprising steps of:

modifying a value of any graphics processing control parameter among said plurality of acquired graphics processing control parameters.

13. A method according to any of claim 11, wherein said graphics
5 processing condition is a condition for an output device that will output said graphics data.

14. A method according to claim 11, wherein said graphics processing
control parameters include at least parameters relating to color space,
10 gamma correction value, contrast, brightness, color balance, saturation, sharpness, color cast, and noise elimination.

15. A method according to claim 11, wherein said graphics data
generating device is a photographic device; and said generation condition is a
15 picture mode in said photographic device.

16. A graphics data generating device for generating graphics data
that is related to a graphics processing control parameter set composed of a
plurality of graphics processing control parameters designating a graphics
20 processing condition for the graphics data, said graphics data generating device comprising:

an imaging device configured to generate said graphics data;
a selection mechanism configured to enable a selection of a
generation condition when said imaging device generates said graphics data;
25 and

a processor configured to generate said graphics processing control
parameter set based on said generation condition, to relate said graphics
data to said graphics processing control parameter set, and output the related
graphics data.

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17. A graphics data generating device according to claim 16, wherein said graphics processing condition is a condition for an output device that will output said graphics data.

5 18. A graphics data generating device according to claim 16, wherein said graphics processing control parameters include at least parameters relating to color space, gamma correction value, contrast, brightness, color balance, saturation, sharpness, color cast, and noise elimination.

10 19. A graphics data generating device according to claim 16, wherein said graphics data generating device is a photographic device; and said generation condition is a picture mode in said photographic device.

15 20. A graphics data generating device for generating graphics data being related to graphics processing control parameter set composed of a plurality of graphics processing control parameters designating a graphics processing condition for the graphics data, said device comprising:

means for generating said graphics data;

20 means for designating a generation condition when said means for generating generates said graphics data;

means for generating said graphics processing control parameter set based on said generation condition; and

means for relating said graphics data to said graphics processing control parameter set, and outputting the related graphics data.

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21. A graphics data generating device according to claim 20 wherein said graphics processing condition is a condition for an output device that will output said graphics data.

22. A graphics data generating device according to claim 20, wherein said graphics processing control parameters include at least parameters relating to color space, gamma correction value, contrast, brightness, color balance, saturation, sharpness, color cast, and noise elimination.

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23. A graphics data generating device according to claim 20, wherein said graphics data generating device is a photographic device; and said generation condition is a picture mode in said photographic device.

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24. A method for generating graphics data that is related to a graphics processing control parameter set composed of a plurality of graphics processing control parameters designating a graphics processing condition for the graphics data, comprising steps of:

generating said graphics data;

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designating a generation condition when said graphics data is generated in said generating step;

generating said graphics processing control parameter set based on said generation condition; and

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relating said graphics data to said graphics processing control parameter set, and outputting the related graphics data.

25. A method according to claim 24 wherein said graphics processing condition is a condition for an output device that will output said graphics data.

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26. A method according to claim 24, wherein said graphics processing control parameters include at least parameters relating to color space, gamma correction value, contrast, brightness, color balance, saturation, sharpness, color cast, and noise elimination.

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27. A method according to claim 24, wherein said graphics data generating device is a photographic device; and said generation condition is a picture mode in said photographic device.

5 28. A graphics data generating device for generating graphics data that is related to graphics processing control information designating a graphics processing condition for graphics data, said graphics data generating device comprising:

 an imaging device configured to generate said graphics data;

10 a selection mechanism configured to enable a selection of a generation condition when said imaging device generates said graphics data;

 a memory configured to store a plurality of sets of said graphics processing control information, the graphics processing control information specifying a graphics processing control parameter set to be used for image

15 processing of said graphics data, under said generation condition;

 an acquisition mechanism configured to acquire said graphics processing control information for said designated generation condition; and

 a data output mechanism configured to relate said generated graphics data to said acquired graphics processing control information, and output the

20 related graphics data.

25 29. A graphics data generating device according to claim 28 wherein said graphics processing condition is a condition for an output device that will output said graphics data.

30 30. A graphics data generating device according to claim 28, wherein said graphics processing control parameters include at least parameters relating to color space, gamma correction value, contrast, brightness, color balance, saturation, sharpness, color cast, and noise elimination.

31. A graphics data generating device according to claim 28, wherein said graphics data generating device is a photographic device; and said generation condition is a picture mode in said photographic device.

5 32. A graphics data generating device for generating graphics data that is related to graphics processing control information designating a graphics processing condition for graphics data, said graphics data generating device comprising:

means for generating said graphics data;

10 means for designating a generation condition when said means for generating generates said graphics data;

means for storing a plurality of sets of said graphics processing control information, the information specifying a graphics processing control parameter set to be used for image processing of said graphics data, under
15 said generation condition;

means for acquiring from said means for storing said graphics processing control information for said designated generation condition; and

means for relating said generated graphics data to said acquired graphics processing control information, and outputting the related graphics
20 data.

33. A graphics data generating device according to claim 32 wherein said graphics processing condition is a condition for an output device that will output said graphics data.

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34. A graphics data generating device according to claim 32, wherein said graphics processing control parameters include at least parameters relating to color space, gamma correction value, contrast, brightness, color balance, saturation, sharpness, color cast, and noise elimination.

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35. A graphics data generating device according to claim 32, wherein said graphics data generating device is a photographic device; and said generation condition is a picture mode in said photographic device.

5 36. A method for generating graphics data that is related to graphics processing control information designating a graphics processing condition for graphics data, comprising steps of:

generating said graphics data;

10 designating a generation condition when said graphics data is generated in said generating step;

storing in a memory a plurality of sets of said graphics processing control information, the information specifying a graphics processing control parameter set to be used for image processing of said graphics data, under said generation condition;

15 acquiring from said memory said graphics processing control information for said designated generation condition;

relating said generated graphics data to said acquired graphics processing control information; and

outputting the related graphics data.

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37. A method according to claim 36 wherein, said graphics processing condition is a condition for an output device that will output said graphics data.

25 38. A method according to claim 36, wherein said graphics processing control parameters include at least parameters relating to color space, gamma correction value, contrast, brightness, color balance, saturation, sharpness, color cast, and noise elimination.

39. A method according to claim 36, wherein said graphics data generating device is a photographic device; and said generation condition is a picture mode in said photographic device.

5 40. A graphics processing device for performing graphics processing on graphics data that is related to a plurality of graphics processing control parameters designating a graphics processing condition for graphics data, said graphics processing device comprising:

 a processor configured to

10 acquire said graphics data,

 acquire said plurality of graphics processing control parameters related to said acquired graphics data, and

 perform graphics processing on said graphics data based on the plurality of graphics processing control parameters acquired by said
15 processor.

 41. A graphics processing device according to claim 40, further comprising

 an output port configured to output said graphics-processed graphics
20 data.

 42. A graphics processing device according to claim 40, wherein:

 said graphics processing condition is a condition effecting an operation of said output device.

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 43. A graphics processing device for performing graphics processing on graphics data that is related to a plurality of graphics processing control parameters designating a graphics processing condition for graphics data, said graphics processing device comprising:

means for acquiring said graphics data;

means for acquiring said plurality of graphics processing control parameters related to said acquired graphics data; and

means for performing graphics processing on said graphics data based on the plurality of graphics processing control parameters acquired by said means for acquiring said plurality of graphics processing control parameters.

44. A graphics processing device according to claim 43, further comprising

means for outputting said graphics-processed graphics data.

45. A graphics processing device according to claim 43, wherein:

said graphics processing condition is a condition effecting an operation of said output device.

46. A method for performing graphics processing on graphics data that is related to a plurality of graphics processing control parameters designating a graphics processing condition for graphics data, comprising steps of:

acquiring said graphics data;

acquiring said plurality of graphics processing control parameters related to said acquired graphics data; and

performing graphics processing on said graphics data based on the plurality of graphics processing control parameters acquired in said step of acquiring said plurality of graphics processing control parameters.

47. A method according to claim 46, further comprising a step of:

outputting said graphics-processed graphics data.

48. A graphics processing device according to claim 46, wherein:

said graphics processing condition is a condition effecting an operation of said output device.

5 49. A graphics processing device for performing graphics processing on graphics data that is related to graphics processing control information that specifies a graphics processing control parameter set composed of a plurality of graphics processing control parameters designating a graphics processing condition for graphics data, said graphics processing device comprising:

10 a processor configured to

acquire said graphics data, and

acquire said graphics processing control information related to said acquired graphics data;

15 a memory configured to store, in associated form, said graphics processing control information and said graphics processing control parameter set, wherein

said processor is configured to acquire said graphics processing control parameter set from said memory based on said acquired graphics processing control information, and

20 perform graphics processing on said graphics data based on said the graphics processing control parameter set acquired by said processor.

50. A graphics processing device according to 49 further comprising:

25 an output port configured to output said graphics-processed graphics data.

51. A graphics processing device according to claim 49, wherein:

said graphics processing condition is a condition for said output device.

52. A graphics processing device for performing graphics processing on graphics data that is related to graphics processing control information that specifies a graphics processing control parameter set composed of a plurality of graphics processing control parameters designating a graphics processing condition for graphics data, said graphics processing device comprising:

means for acquiring said graphics data;

means for acquiring said graphics processing control information related to said acquired graphics data;

means for storing, in associated form, said graphics processing control information and said graphics processing control parameter set;

means for acquiring said graphics processing control parameter set from said means for storing based on the graphics processing control information obtained from said means for acquiring said graphics processing control information; and

means for performing graphics processing of said graphics data based on the graphics processing control parameter set acquired by said means for acquiring said graphics processing control parameter set.

53. A graphics processing device according to claim 52, further comprising:

means for outputting said graphics-processed graphics data.

54. A graphics processing device according to claim 52, wherein: said graphics processing condition is a condition for said output device.

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55. A method for performing graphics processing on graphics data that is related to graphics processing control information that specifies a graphics processing control parameter set composed of a plurality of graphics processing control parameters designating a graphics processing condition for graphics data, comprising steps of:

acquiring said graphics data;

acquiring said graphics processing control information related to said acquired graphics data;

5 storing, in associated form in a memory, said graphics processing control information and said graphics processing control parameter set;

acquiring said graphics processing control parameter set from said memory based on the graphics processing control information; and

10 performing graphics processing of said graphics data based on the graphics processing control parameter set acquired in said step of acquiring said graphics processing control parameter set.

56. A method according to claim 55, further comprising a step of:
outputting said graphics-processed graphics data.

15 57. A method according to claim 56, wherein said graphics processing condition is a condition for said output device.

20 58. A computer-executable program for generating graphics data that is related to a graphics processing control parameter designating a graphics processing condition for graphics data, wherein said computer-executable program implements functions comprising:

generation of said graphics data;

designation of a generation condition during generation of said graphics data;

25 storage of a plurality of combinations, each combination being composed of said generation condition and a plurality of said graphics processing control parameters;

acquisition of said plurality of graphics processing control parameters for said designated generation condition;

relation of the graphics data to said plurality of acquired graphics processing control parameters; and
output of the related graphics data.

5 59. A computer-executable program for generating graphics data that is related to graphics processing control information designating a graphics processing condition for graphics data, wherein said computer-executable program implements functions comprising:

generation of said graphics data;

10 designation of a generation condition during generation of said graphics data;

storage of a plurality of sets of said graphics processing control information, the information specifying a graphics processing control parameter set to be used for image processing of said graphics data, under
15 said generation condition;

acquisition of said graphics processing control information for said designated generation condition;

relation of said graphics data to said graphics processing control information; and

20 output of the related graphics data.

60. A computer-executable program for performing graphics processing using graphics data that is related to a plurality of graphics processing control parameters designating a graphics processing condition
25 for graphics data, wherein said computer-executable program executes functions comprising:

acquisition of said data;

acquisition of said plurality of graphics processing control parameters related to said acquired graphics data; and

graphics processing of said graphics data based on said acquired plurality of graphics processing control parameters.

61. A computer-executable program for performing graphics processing using graphics data that is related to graphics processing control information that specifies a graphics processing control parameter set composed of a plurality of graphics processing control parameters designating a graphics processing condition for graphics data, wherein said computer-executable program performs functions comprising:
 - acquisition of said data;
 - acquisition of said graphics processing control information related to said acquired graphics data;
 - storage in memory, in associated form, said graphics processing control information and said graphics processing control parameter set;
 - acquisition of said graphics processing control parameter set from said memory based on said acquired graphics processing control information; and
 - graphics processing of said graphics data based on said acquired graphics processing control parameter set.